[redacted]

NPIC/R-91/65

April 1965

PHOTOGRAPHIC INTERPRETATION REPORT

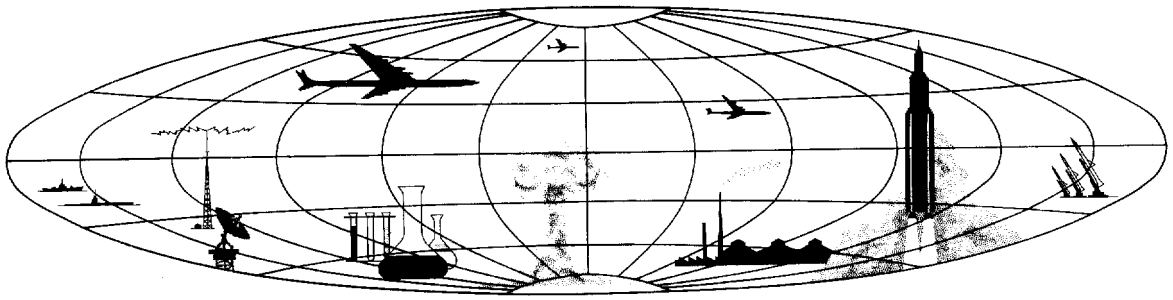
SERB MISSILE, MOSCOW PARADE 7 NOVEMBER 1964

Declassification Reveiw by NIMA/DoD

CIA

DIA

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

Approved For Release 2001/08/28 : CIA-RDP78B04560A004600010006-2

NPIC/R-91/65

PHOTOGRAPHIC INTERPRETATION REPORT

SERB MISSILE, MOSCOW PARADE 7 NOVEMBER 1964

April 1965

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

PREFACE

This report is in response to CIA requirement C-SI4-82,021 requesting mensuration and line drawings of the SERB missile and its transporter.

25X1B

[redacted] obtained from

[redacted]

Dimensions Given Degree of Accuracy

[redacted]

25X1D

25X1B

The reader is further cautioned that the graphics presented with the accompanying mensural data are not intended to be used for detailed engineering analysis.

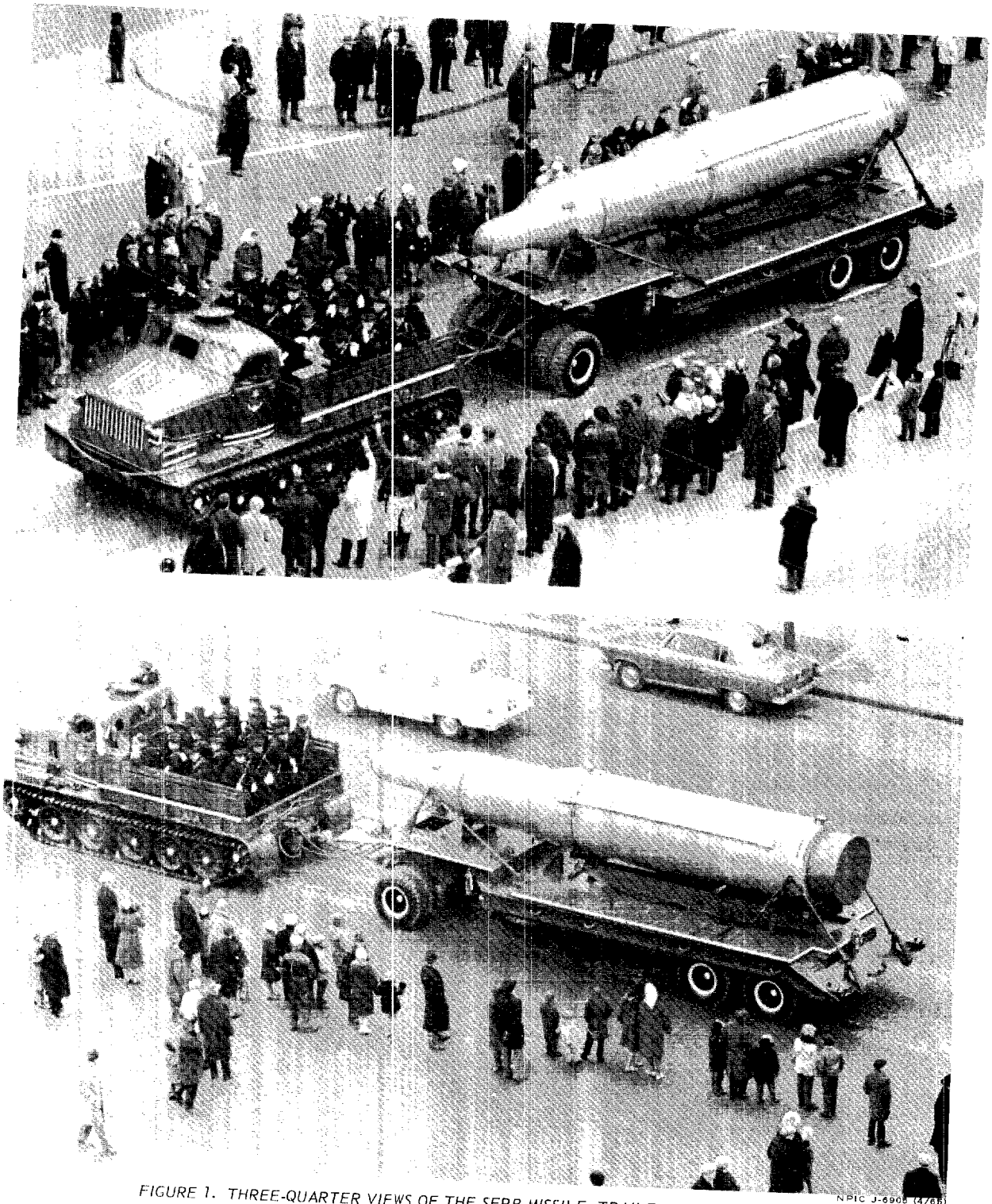


FIGURE 1. THREE-QUARTER VIEWS OF THE SERB MISSILE, TRAILER, AND TRACTOR.

NPIC J-6908 (4/85)

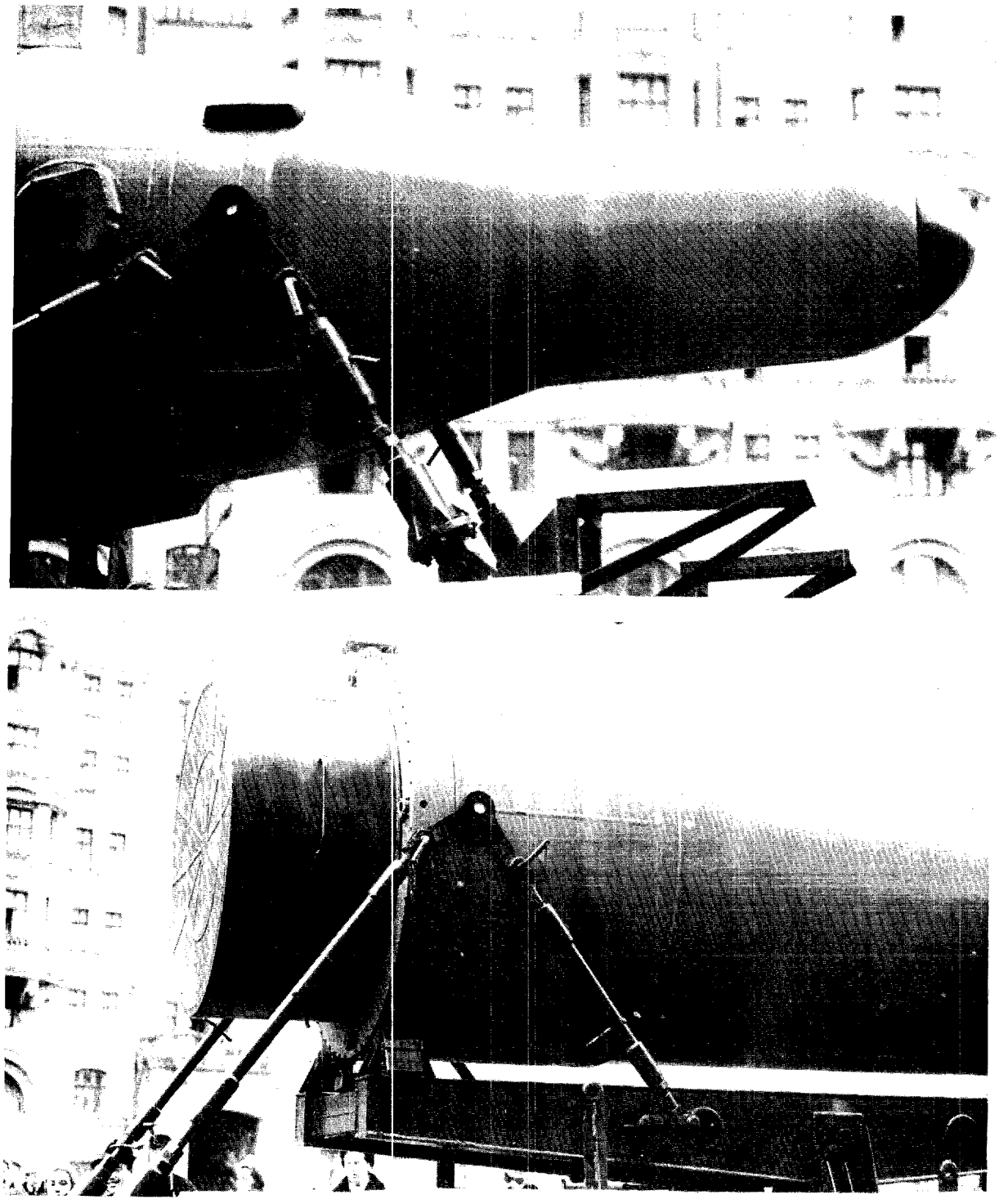
25X1C

[redacted] Moscow on 7 November 1964 revealed 2 ballistic missiles which are believed to be SS-N-5 naval missiles (Figure 1). These missiles, not previously observed, have been assigned the [redacted] SERB. The numerical designations B-3-40 and B-3-41 were visible on the missiles. Dimensional drawings and additional photography of the missiles are shown in Figures 2 through 6.

The SERB missile is [redacted] long and has 3 different body diameters; an upper body diameter of [redacted] a lower body diameter of [redacted] and a base diameter of [redacted] The nosecone is [redacted] long from the tip to the beginning of the upper body section, and consists of a sphere-cone-flare-shaped reentry vehicle, [redacted] long, and a possible guidance section [redacted] long. The reentry vehicle is [redacted] in diameter at its widest point, this being where it joins the possible guidance section, and the nosecone is [redacted] in diameter at its widest point, this being where it joins the upper body of the missile. Four tapered, blocklike protrusions are located on the nosecone where the reentry vehicle and possible guidance section join. Each of these protrusions is angled 45 degrees to the central axis of the missile and they possibly serve as covers for the reentry vehicle separation mechanism. Two raised channels are evident on the missile: one, [redacted] long, running from the aft end of the nosecone to the transition section between the upper and lower body sections; and the other, [redacted] long, running from the beginning of the lower body section to the forward end of the base of the missile. There is a cover at the rear of the missile concealing engine details. Two sets of rectangular blocks protrude from the upper body and base of the missile, and possibly serve as guide shoes. Four hatches are evident on the base section of the missile and a possible connector (Figure 2, top) is visible on the right side of the nosecone.

The missile is transported on a 3-axle, 12-wheeled, flat-bed trailer having a length of [redacted] The trailer is towed by an AT-T heavy tracked artillery tractor, [redacted] long. The overall length of tractor and trailer is [redacted] The lower body portion of the missile is cradled on a frame upon the trailer. This cradle may have the ability to tilt to facilitate loading and unloading. Turnbuckles attached to studs at the front and rear of the missile also aid in holding and stabilizing the missile upon the trailer. No means of erecting or transloading the missile were visible on either the trailer or tractor.

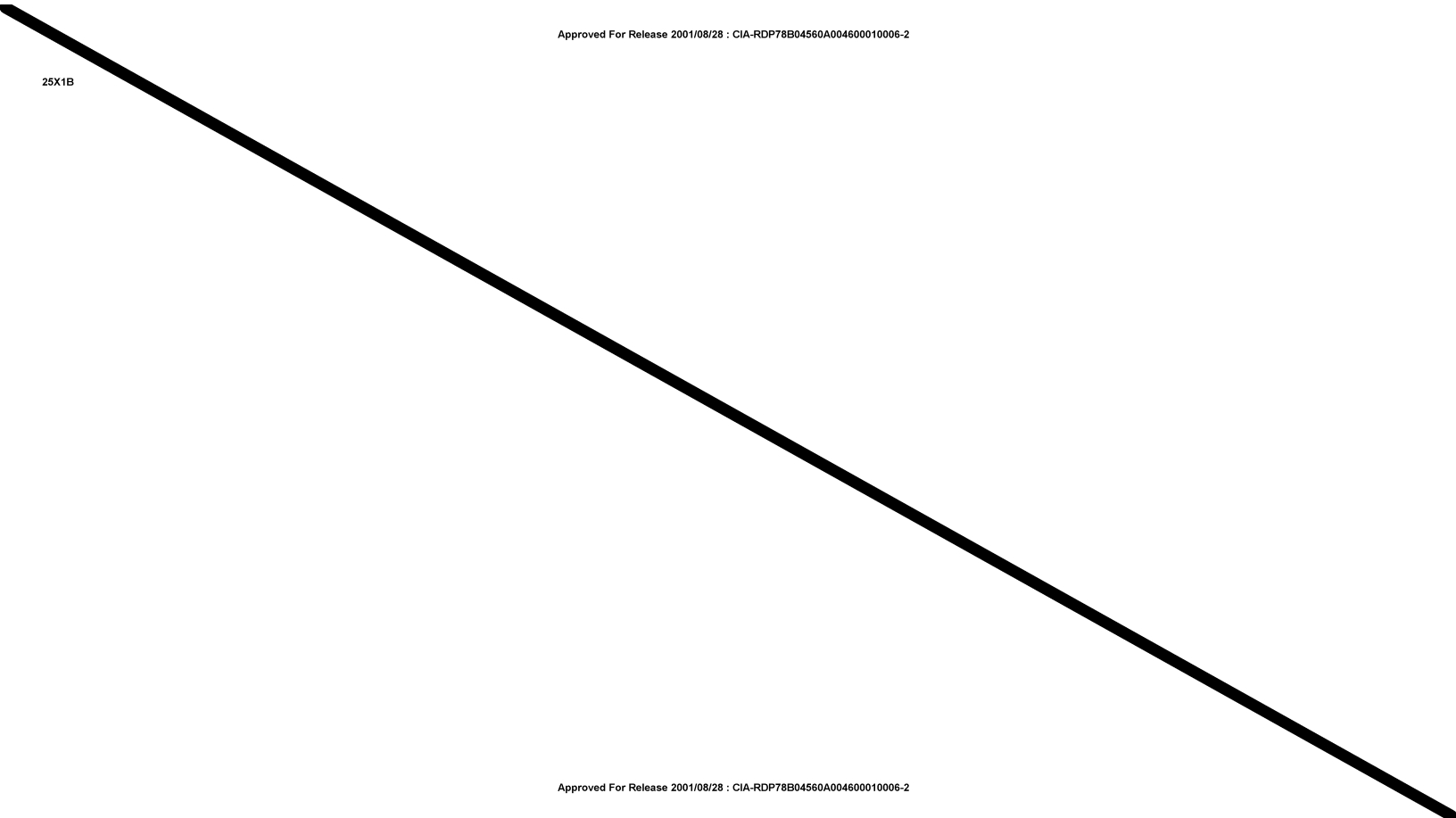
25X1C 25X1C 25X1B 25X1D 25X1D 25X1D 25X1D 25X1D 25X1D 25X1D 25X1D 25X1D 25X1D 25X1D



NPIC J-6906 (4/65)

FIGURE 2. SIDE VIEWS OF THE FORWARD AND AFT ENDS OF THE SERB MISSILE.

25X1B



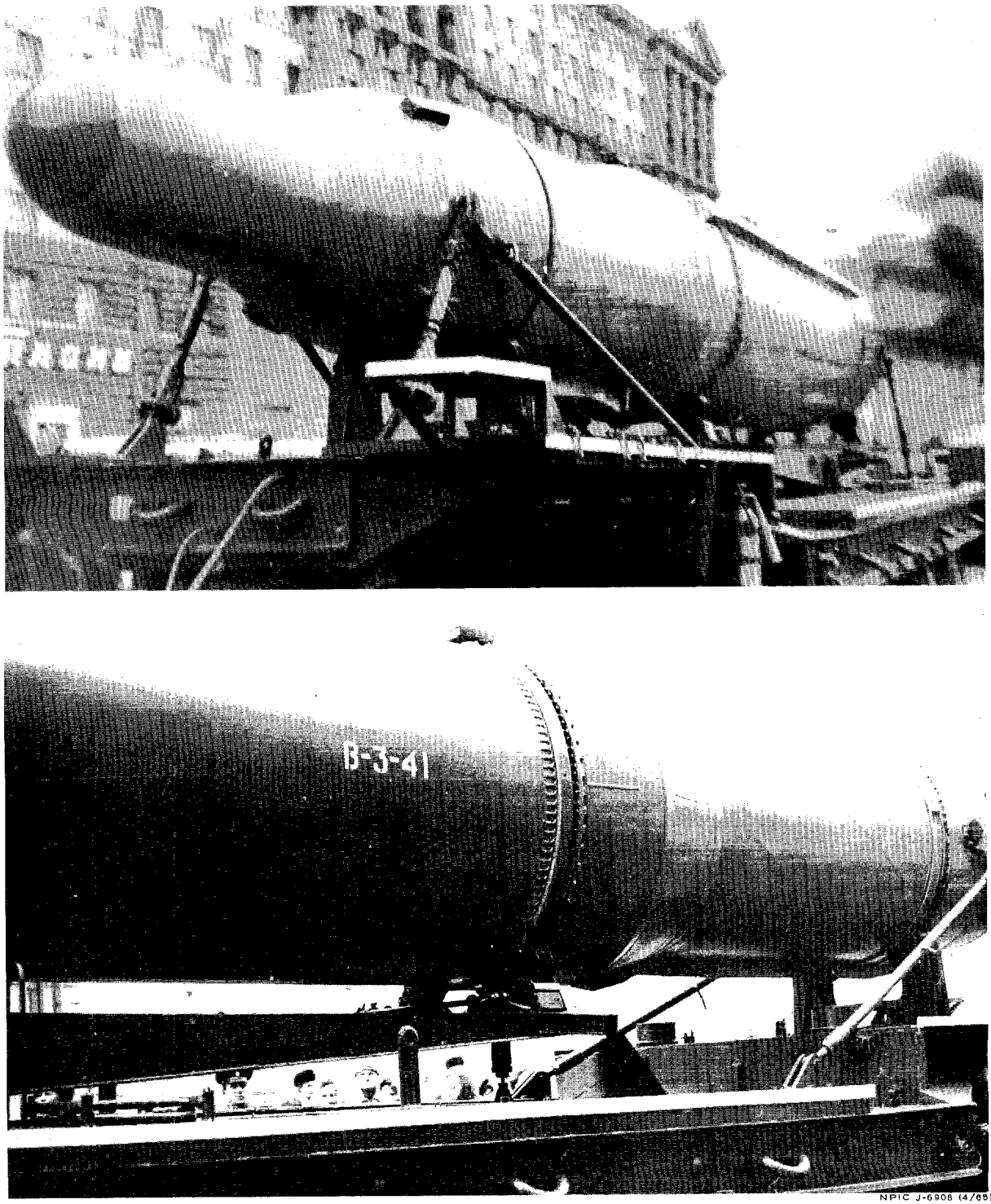


FIGURE 4. THREE-QUARTER VIEW OF THE LEFT SIDE AND QUARTER VIEW OF THE RIGHT SIDE OF THE SERB MISSILE.

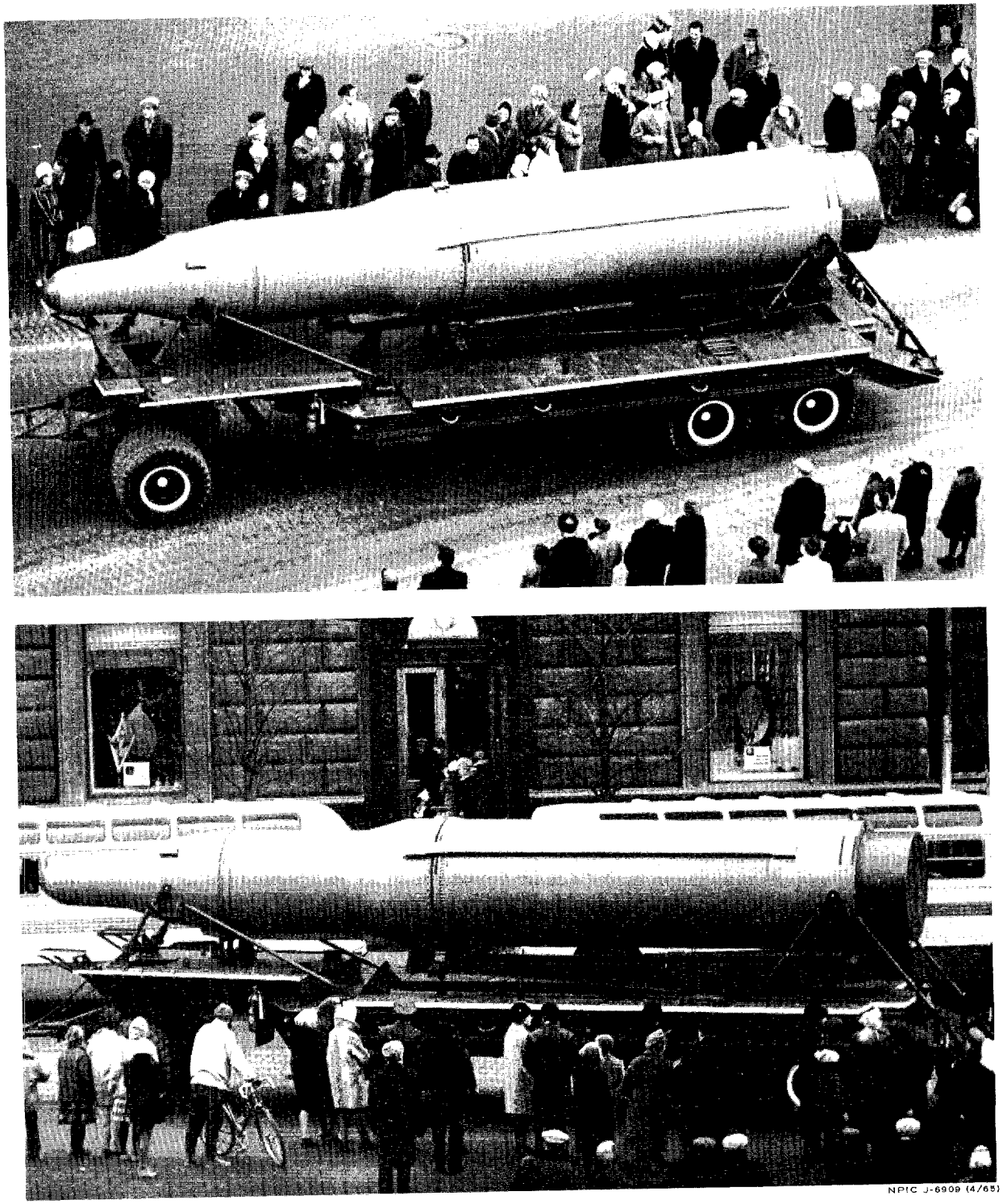


FIGURE 5. LEFT SIDE VIEWS OF THE SERB MISSILE.

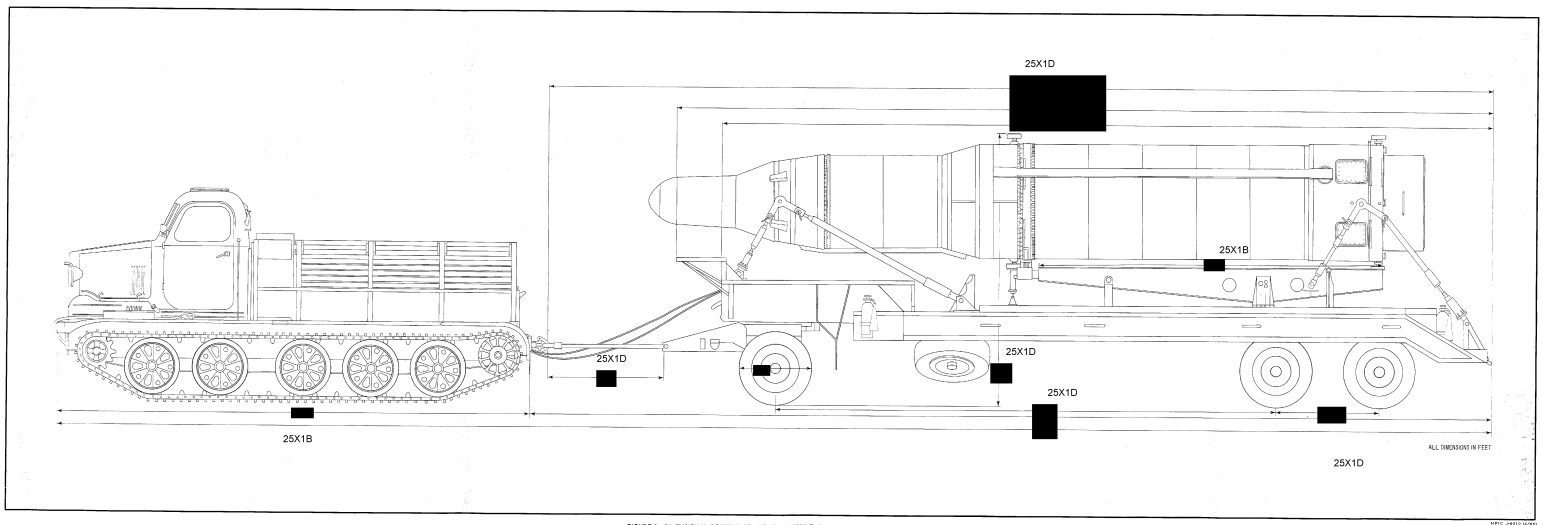


FIGURE 6. DIMENSIONAL DRAWING OF THE SERB MISSILE, TRAILER, AND AT-T TRACTOR.

NPIC/R-91/65

REFERENCES

PHOTOGRAPHY 25X1D 25X1C [redacted]

REQUIREMENT

CIA. C-SI4-82,021 (rev 29 Nov 64)

NPIC PROJECT

11955/64 (partial answer)